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Record

Jan. 28, 1999

Volume 23 No. 18



Washington University in St. Louis



Law dean named, assumes new chair Interdisciplinary center announced

By ANN NICHOLSON

Joel Seligman, J.D., dean of the University of Arizona College of Law, has been named dean of the Washington University School of Law, according to Chancellor Mark S. Wrighton. Seligman will succeed Daniel L. Keating, J.D., who became dean last summer but chose not to be a candidate for a long-term deanship.

Wrighton also announced the establishment of the Ethan A. H. Shepley University Chair, which Seligman will be the first to hold. The chair is named for Shepley, a law school alumnus who served as the University's chancellor from 1954 to 1961 and chairman of the University's governing board from 1951 to 1954 and 1961 to 1963. Shepley is credited with helping to begin making the University one of the nation's top institutions of higher education.

At a ceremony Saturday, Jan. 23, to introduce Seligman to the University community, Wrighton and the law school

announced a plan to establish an interdisciplinary center to encourage collaboration both among law faculty and with other University faculty and students. A \$5 million commitment has been made to launch the new center.

"Joel Seligman's leadership as dean at the University of Arizona College of Law and his outstanding scholarship make him well suited to lead the next phase at the Washington University School of Law, as it continues its ascent among the nation's premier law schools," Wrighton said.

"I am pleased that Joel has agreed to serve as dean and to build upon the School of Law's fine tradition of excellence in legal education. He is a world-class person in every respect, and I look forward to working with him."

"I am also pleased to announce Joel as the inaugural appointment to the Shepley chair. Chaired professorships are extremely important to Washington University, as they allow us to attract, retain and recognize outstanding faculty,"

See **Dean**, page 6



Seligman: New dean, Shepley professor

Elbert Trulock is appointed to new Flance professorship

By DIANE DUKE WILLIAMS

Elbert P. Trulock III, M.D., professor of medicine, has been named the first Rosemary and I. Jerome Flance Professor of Pulmonary Medicine at the School of Medicine.

The endowed professorship, which supports research in the Division of Pulmonary and Critical Care Medicine, is funded largely by a gift from the estate of the late Sam J. Golman. Golman was a St. Louis-area businessman and a long-time supporter of Washington University Medical Center institutions.

The professorship recognizes I. Jerome Flance, M.D., clinical professor of medicine at Washington University, and his wife, Rosemary.

"Sam Golman was a wonderful man with wide-ranging philanthropic interests embracing educational, political and religious activities," said Gustav Schonfeld,

See **Trulock**, page 6



Trulock: Pulmonary specialist



CAROL HOUSE

Lift Ev'ry Voice and Sing The YMCA Boys Choir provided a choral reminder of Martin Luther King Jr.'s dream of racial equality during the University's 12th annual MLK commemorative celebration Jan. 18 at Graham Chapel. Titled "Free at Last?" the program featured music and testimonials and climaxed with an audience rendition of "We Shall Overcome."

Smart card accesses medical data

By LINDA SAGE

Washington University School of Medicine and a company called Site-C have developed a "WOMENS CARD" that provides doctors at computers quick access to patients' medical records. The smart card, which looks like a credit card, is being tested by pregnant women, though researchers believe it could be adapted to other patient populations.

"What sets this card apart is that the information is stored on a Web server," said Gilad A. Gross, M.D., who is heading the study. "Therefore you can provide unlimited amounts of data, such as lab tests, ultrasound images and medications the patient is taking."

Gross presented this adaptation of smart-card technology Jan. 20 at the annual meeting of the Society for Maternal-Fetal Medicine in San Francisco. He is an assistant professor of obstetrics and gynecology at the medical school and director of obstetrics at

Barnes-Jewish Hospital.

The study, which began Dec. 1, will involve 250 pregnant women, half of whom will receive WOMENS CARDS during visits to the hospital's obstetrics clinic. The study will determine whether the card makes it easier and quicker for doctors to access patients' medical records and make informed treatment decisions.

The card contains a computer chip, which summarizes the patient's medical record — general information about the patient, medications, allergies, medical problems, lab results and so on. Every time the patient visits the clinic, new information is added.

"This means that no matter what day of the week or time of day or night a woman goes into labor, her records will immediately be available to authorized personnel," said Phyllis Wiegraffe, clinical research coordinator.

Looking to the future, Gross said, "Imagine that a pregnant woman vacationing in Canada starts to bleed. She goes to the

hospital, but all of her medical records are in St. Louis. Or what if an unconscious person needs medical care? If those patients had a card, their medical records would be right there."

The information isn't limited to the amount that can be stored on a patient's card because authorized doctors have their own WOMENS CARDS. By inserting these into a card reader and entering a personal identification number (PIN), they can access their patients' complete medical records from a Web server maintained by Site-C. Such a

See **Card**, page 6

Bulletin

Forest Park Parkway will be closed from 3:45 to 4:30 p.m. Wednesday, Jan. 27, for the vice presidential motorcade in addition to earlier announced closures from 1:30 to 3 p.m. Tuesday and 5:30 to 6:30 p.m. Wednesday.

Engineering graduate students forge fruitful alliance with Boeing

Program matches talent pool with industry needs

By TONY FITZPATRICK

Graduate student James Ramsey has a framework for his Ph.D. thesis in physics thanks in part to an innovative program that links Washington University graduate students and engineering faculty with researchers at the Boeing Co.

Since the fall of 1998, Ramsey has been working with his thesis adviser and mentor, Christopher I. Byrnes, Ph.D., dean of the School of Engineering and Applied Science, in an area that combines both physics and

systems science. It's called nonlinear robust regulation and tracking, and it has applications for Boeing engineers, who hope Ramsey can design control schemes that will compensate for pilot-induced oscillations in Boeing aircraft.

Ramsey, who hails from Washington, D.C., and earned a bachelor's degree in physics from American University, also is applying control theory in

regulation of compressors on aircraft. This should help pilots avoid compressor stall, a dangerous situation that arises when a plane — a fighter craft, for example — flies toward a target at a particular angle that makes the compressor susceptible to stalling.

Much of the work will be a part of his thesis, which he hopes to complete in the spring. Also this spring, he will join 10 other University graduate students and

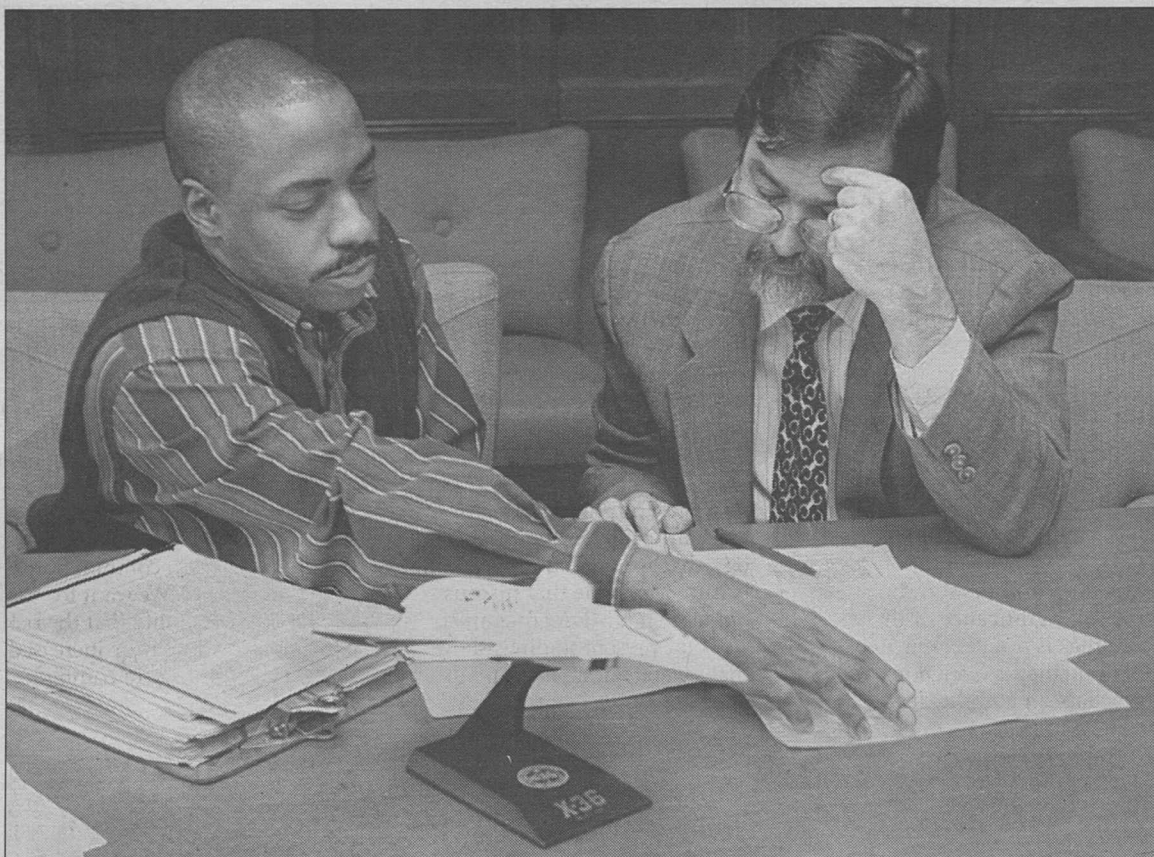
their faculty and Boeing mentors at a formal colloquium where he will give an in-depth overview of his work.

In December, Boeing personnel, graduate students and faculty held their first formal meeting at a Whittemore House luncheon. The event allowed all involved to break both bread and the ice about a myriad of research projects sponsored by the Boeing-McDonnell Foundation.

After the luncheon, 11 graduate students, accompanied by their faculty mentors, gave brief presentations about research projects sponsored through the foundation. The projects range from materials research to computation and signal processing research.

Students work closely with faculty mentors and Boeing researchers, using facilities at the corporation's St. Louis headquarters in addition to University laboratories. The two-year

See **Engineering**, page 2



James Ramsey (left), physics doctoral candidate, and Christopher I. Brynes, Ph.D., dean of the School of Engineering and Applied Science, discuss Ramsey's work in nonlinear dynamical systems. Ramsey and Brynes are one of 10 University student-mentor teams working with Boeing engineers through a program sponsored by the Boeing-McDonnell Foundation.

Engineering

Fruitful alliance matches students with industry

— from page 1

projects began in 1998, in a collaboration that is expected to continue with other graduate students over the next six years. The goals are to forge a stronger industry/University partnership and facilitate technology transfer.

"This partnership is a major priority of the School of Engi-

neering and Applied Science, and it is something we've always wanted to do for our faculty and students," Brynes said. "The Boeing Co. is a tremendous resource of knowledge and practical application for our graduate students, and we value their support greatly. This relationship can become a model for other universities and industries."

Allen R. Atkins, Ph.D., is a Boeing Co. vice president. He urged a continuation of the relationship between the two and closer ties in the future.

"Washington University offers a wonderful talent pool for industries such as Boeing, and we feel fortunate to be able to collaborate with the school of engineering," Atkins said. "We look forward to seeing Washington University faculty and students at our facilities and sharing as much as possible with them."

University faculty from the computer science, chemical and electrical engineering, and systems science and mathematics departments mentor the graduate students.

Philosopher-neuroscientist Patricia Churchland here

First lecture in series on mind-brain links

Patricia Churchland, prominent philosopher and neuroscientist, will deliver a lecture for the Assembly Series titled "What Can We Expect From a Theory of Consciousness?" at 11 a.m. Wednesday, Feb. 3, in Graham Chapel. The lecture is free and open to the public and is the first of three Assembly Series presentations on the mind-brain connection.

Churchland is a professor of philosophy at the University of California at San Diego, where she specializes in the philosophy of science, neuroscience and the mind, as well as in medical and environmental ethics. The central focus of her research has been the exploration and development of the idea that the mind is the brain, that in order to understand the mind it is necessary to understand the brain.

Churchland has written a number of books, including "Neurophilosophy: Toward a Unified Science of the Mind-Brain" (1986), in which she argued for a co-evolution of psychology and neuroscience and for changes in philosophy to keep pace; "The Computational Brain" (1992); and "On the Contrary: Critical Essays 1987-1997" (1998), a collection of her essays and those of her husband, neuroscientist

Paul Churchland. She has published articles in publications including the Journal of Consciousness Studies, Computational Neuroscience, Scientific American and Science. She has served as president of the Society for Philosophy and Psychology and the Pacific Division of the American Philosophical Association.

Churchland has taught at the University of California—San Diego since 1984 and has served as an adjunct professor at the Salk Institute since 1989. Earlier, she was a professor at the University of Manitoba for more than



Churchland: Speaking on consciousness

10 years and a visiting member of the Institute for Advanced Study at Princeton University during 1982-83. She earned a bachelor's degree with honors from the University of British Columbia in 1965, a master's degree from the University of Pittsburgh in 1966 and a B.Phil. from Oxford University in 1969.

For more information, visit the Assembly Series web page (<http://wupa.wustl.edu/assembly>) or call 935-5285.

Assembly Series

Who: Patricia Churchland

Where: Graham Chapel

When: 11 a.m. Wednesday, Feb. 3

Admission: Free and open to the public.

News Briefs

Fitness? Here's Y

Spring semester classes at the Campus Y—everything from Yoga and Tai Chi to aerobics and American Sign Language—are starting up now. Classes are:

- **Y Step Aerobics**, two sessions, Mondays-Wednesdays at 4 p.m. and Tuesdays-Thursdays at 5 p.m.;
- **Hatha Yoga**, Wednesdays at 6 p.m.;
- **Tai Chi Chu-uan**, two sessions, Tuesdays at noon and 6 p.m.;
- **American Sign Language I**, Wednesdays at 6 p.m., and **American Sign Language II**, Tuesdays at 6 p.m.

For more information or to register, call 935-5010.

Call for nominations

The Office of Alumni and Development Programs is seeking nominations for persons to receive distinguished faculty and alumni awards at the 1999 Founders Day in October.

For faculty, criteria include quality of instruction, relationships with students, availability to students outside the classroom, scholarship and service to the University. For alumni, the measures are national success and achievement, significant public service and active engagement in University or alumni affairs.

Those wishing to make nominations should do so before Feb. 5. Nominations, including a



Campus quiz: This serene angel gazes heavenward from which campus building? Answer below.

letter of recommendation and a current biography, should be sent to Stephanie Rebeck, associate director of alumni relations, at Campus Box 1210. For more information, call 935-6503.

Distance learning

Colleges and universities have embraced technology in a variety of ways, but distance learning faces criticism in 1999 and beyond from those concerned about the quality of online education, according to The New York Times. More than half of U.S. colleges and universities have at least part of their undergraduate applications available online, and 44 percent of courses now use e-mail. In addition, several institutions and companies now offer courses or entire degree programs online.

But some education experts predict that academe will grow increasingly skeptical of distance learning efforts. They question whether the quality of distance education matches that of the classroom, whether student attrition is higher online, and

whether students feel more isolated online than in lecture halls.

"Club Ed"

While cost and academics are probably the biggest factors that students and parents consider when choosing a college, a myriad of other factors play a role as well, according to a New York Times report. Attractive eating facilities, a speedy Internet connection and a spacious workout facility are

just a few of the perks that applicants might look for in what the Times calls the "Club Ed" approach to picking a college.

Did you know?

William Greenleaf Eliot, co-founder and first president of the University's Board of Trustees, was an ardent abolitionist who lobbied both in Massachusetts, where his brother was a congressman, and in Missouri for the emancipation of slaves. He was one of the first to propose the enlistment of African Americans in the Union armies and later stumped for pay equity and other benefits for them.

Answer: Our angel stands vigil above the main doors to Graham Chapel.

"News Briefs" includes short items on a wide range of subjects, typically information about resources, benefits and opportunities available to faculty and staff. Readers are invited to submit briefs, which will be used as space permits, to Betsy Rogers, Campus Box 1070, or by e-mail, Betsy_Rogers@aismail.wustl.edu.

Distinguished historian to address African-American education issues

James D. Anderson, Ph.D., professor of history and chair of the Department of Educational Policy Studies at the University of Illinois at Urbana-Champaign, will deliver the Wilma Koetter Memorial Lecture Thursday, Jan. 28, at the Women's Building Formal Lounge. The 4 p.m. lecture will be preceded by a 3:30 reception.

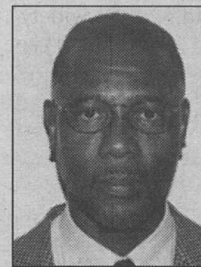
The lecture, titled "African-American Education: Historical Meaning and Contemporary Issues," is presented by the Departments of Education and African and Afro-American Studies.

A highly regarded speaker, Anderson has explored such topics as race and education, racial issues in American history, school desegregation in the United States, American school reform and school policy,

and American higher and graduate education reform and policy.

Anderson has worked in different capacities to increase the representation of minorities and critically examine the effects of racism at a variety of institutions, in professional associations in history and in education and with the National Academy of Sciences. The latest of his publications is "Philanthropy, the State, and the Development of Historically Black Public Colleges: The Case of Mississippi."

The lecture is given in honor of Wilma Koetter, who for 15 years served as a secretary in the education department. In 1947, three members of Koetter's family established an annual award to honor her service to the department.



Anderson: Expert on race and education

Record

Washington University community news

News & Comments

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Medical School Update

Nerve cell death Common anesthetics, drugs of abuse damage developing brain

By JIM DRYDEN

A paper in the Jan. 1 issue of Science reports that a class of drugs used to anesthetize children and sometimes abused by pregnant women can cause death of nerve cells in the developing brain. The researchers found that the rat brain is sensitive to this toxic effect during a specific stage in development that corresponds to the brain growth spurt in humans, which lasts from about the sixth month of pregnancy to a child's second birthday.

The compounds, which belong to a class called NMDA antagonists, include phencyclidine (PCP or "angel dust"), ketamine ("special K") and nitrous oxide (laughing gas), all of which are drugs of abuse. In addition, ketamine and nitrous oxide are used commonly as anesthetics in pediatric medicine. Exposing young rats to these agents for a period of four hours or more caused nerve cells in the brain to die by a process called apoptosis, or programmed cell death, in which cells commit suicide. The rate of cell death triggered by these compounds exceeded the spontaneous rate of cell death by almost 30 times in some brain regions.

"The death of nerve cells by apoptosis is a natural process that occurs in the normal brain during development," explained lead author Chrysanthi Ikonomidou, M.D., associate professor of pediatric neurology at Humboldt University in Berlin. "It is the way the brain gets rid of unhealthy cells or cells that are not needed for normal brain development. But what we saw in these experiments was cell death at many times the normal rate."

Not only is the rate of cell death higher, the brain cells that die are neurons that would not have died otherwise, she said.

Ikonomidou made the

discovery in collaboration with co-author John W. Olney, M.D., professor of psychiatry and of neuropathology at the School of Medicine. For many years, Olney has been studying glutamate, an important transmitter in the brain, and NMDA antagonists, drugs that block NMDA glutamate receptors on brain cells. He has developed evidence

implicating this glutamate receptor system in various adult disease processes ranging from stroke to Alzheimer's disease to schizophrenia. The new findings reported Jan. 1 in Science implicate glutamate and NMDA receptors in disease processes affecting the

developing nervous system. The toxic action occurs during the period of synaptogenesis, when immature nerve cells are forming synaptic connections with one another. Through NMDA receptors located at these synaptic connections, glutamate can help promote the survival and healthy development of neurons. NMDA antagonists that block glutamate's action at these receptors interfere with this survival mechanism.

"Our evidence indicates that during the stage of synaptogenesis, neurons require a certain level of stimulation through NMDA receptors. If they don't get that stimulation, the neuron interprets that as a signal to commit suicide," Olney said.

This toxic mechanism can delete large numbers of neurons from many different regions of the developing brain because many neurons depend on stimulation of their NMDA receptors for survival. In addition, the mechanism may contribute to a wide variety of neurological or psychiatric symptoms.

"The symptoms can vary widely," Olney explained, "because the type of symptoms depends on

the type of neurons that are deleted, and different types of neurons become sensitive to this toxic mechanism at different times within the synaptogenesis period. That means if the toxic event occurs early in synaptogenesis, it will delete groups of neurons that develop sensitivity early. If it happens later, those neurons will be spared, but other groups will be deleted."

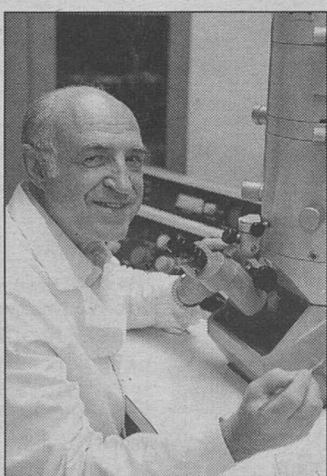
Olney and Ikonomidou believe the full significance of these findings is not yet clear, and both plan further investigation of the mechanism and the drugs that

contribute to it.

Nitrous oxide, for example, has been used for over a century as an anesthetic in dentistry and medicine, but until recently its mechanism of action was unknown. Earlier this year, another researcher working in Olney's laboratory, Vesna Jevtovic-Todorovic, M.D., assistant professor of anesthesiology, discovered and reported in Nature Medicine that nitrous oxide is an NMDA antagonist.

"Our present findings show that several anesthetics and drugs of abuse can trigger the cell suicide

process, but other similar drugs still must be tested," Olney said. "For example, alcohol is abused by many people, including pregnant women, and it has the properties of an NMDA antagonist. So we currently are investigating whether it can trigger neuronal suicide in the developing brain. In addition, certain anesthetic agents such as ketamine and nitrous oxide are sometimes used in combination with one another. We want to explore the possibility that the risk of brain damage may be increased by using these drugs in combination."



Olney: Studies glutamate



Honoring determination, perseverance and dedication Fourth-year students Rebecca S. Hunt, left, and Ginny L. Ryan, right, talk with Jessie L. Ternberg, M.D., professor emeritus of surgery, at the School of Medicine Student Awards Luncheon. Hunt and Ryan were both recipients of the Jessie L. Ternberg Award, which is presented to women who best exemplify the doctor's indomitable spirit of determination, perseverance and dedication to her patients. The event was held Jan. 20 in the Kenton King Center.

Grants totalling \$8.9 million awarded to medical faculty

Numerous School of Medicine faculty recently have received grants of \$1 million or more.

The grants fund research on topics ranging from asthma to leukemia to transplantation.

The grant recipients include:

- Robert C. Strunk, M.D., professor of pediatrics, has received a four-year \$1.9 million grant from the National Heart, Lung, and Blood Institute for a study of pediatric asthma and emergency room visits;
- Michael J. Holtzman, M.D., the Seldin Professor of Medicine and an associate professor of cell biology and physiology, received a five-year \$1.8 million grant from the National Heart, Lung, and Blood Institute to study the link between asthma and viral infections;
- Jacques U. Baenziger, M.D., Ph.D., professor of pathology and of cell biology and physiology, has received a four-year \$1.6 million grant from the National Institute of Diabetes and

Digestive and Kidney Diseases to study a sugar chain that might influence the activity of certain proteins;

- Jay L. Hess, M.D., Ph.D., assistant professor of pathology and co-director of hemato-pathology services, has received a five-year \$1.2 million grant from the National Cancer Institute to study how abnormal forms of a gene produce two types of leukemia; and

- Maurine E. Linder, Ph.D., assistant professor of cell biology and physiology, has received a four-year \$1.1 million grant from the National Institute of General Medical Sciences to continue her studies on signalling proteins that are modified by fatty acids.

- Thalachallour T. Mohanakumar, Ph.D., professor of surgery, medicine and pathology, has received a four-year \$1 million grant from the National Heart, Lung, and Blood Institute to study barriers to transplanting pig organs into humans.

Andriole appointed chief of urology division

Gerald L. Andriole, M.D., has been appointed chief of the Division of Urology at the School of Medicine, succeeding William J. Catalona, M.D. Department of Surgery Chair Timothy J. Eberlein, M.D., announced the appointment, effective Jan. 1.

Andriole has been a faculty member in the Department of Surgery's urology division since 1985. He is an internationally known urologic oncologist, specializing in prostate cancer and a noncancerous condition called prostatic hyperplasia.

"Washington University is at the forefront of urologic research and patient care," Andriole said. "I am proud to carry on the tradition of excellence, committed to the patients of St. Louis and around the country who come here for treatment and am equally dedicated to providing outstanding educational opportunities for our medical students and residents."

"I am indebted to Bill Catalona for bringing me to St. Louis and will always be grateful for the opportunities he and the university have provided me."

As director of the Prostate Study Center at Barnes-Jewish West County Hospital since 1990, Andriole has performed more than 30 trials of new medications and devices for the treatment of urological diseases. His funding from the National Institutes of

Health to study cancer screening and benign prostatic enlargement totals more than \$14 million.

He leads the St. Louis portion of a National Cancer Institute study known as the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial. This large-scale study will determine whether widespread use of certain cancer-screening tests can save lives.

Andriole has published more than 100 papers on the detection and treatment of prostate cancer and other genital and urinary problems. He also was instrumental in demonstrating the safety of a procedure called hemodilution, which permits radical prostatectomy patients to avoid blood transfusions by donating several units of their own blood minutes before surgery. The blood is then returned at the end of surgery.

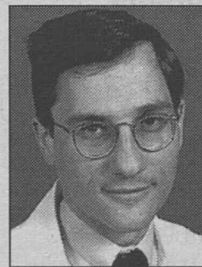
Andriole is editor-in-chief of the Yearbook of Urology and is on the editorial advisory boards of Surgical Rounds, Infections in Urology, The Prostate Journal and Urology International. He is a reviewer for numerous other

journals, including the Journal of the American Medical Association, Journal of Urology, Cancer and Annals of Surgical Oncology.

He holds administrative and leadership positions on several national trials, including the Prostate Cancer Chemoprevention Trial and the Prostate Intervention Versus Observation Trial. In addition, he is chairman of the Genitourinary Committee of the American College of Surgeons Oncology Group and serves on the advisory boards of several pharmaceutical companies with an interest in prostatic and other urologic diseases.

Through an accelerated medical program, he received both bachelor's and medical degrees within a five-year period from Pennsylvania State University and Jefferson Medical College, respectively. Following a surgical residency at the University of Rochester and a urology residency at Harvard, he went to the National Cancer Institute to serve as a urologic oncologist. Two years later, he was recruited to Washington University as an assistant professor of urologic surgery and chief of urology for the St. Louis Veterans Affairs Medical Center.

Catalona and Andriole have collaborated over the years on several projects.



Andriole: Urologic oncologist

University Events

World premiere of 'Gertrude and Alice' at Edison Feb. 4, 5

BY LIAM OTTEN

A play is a play is a play, of course, but perhaps it is more of a play when it involves three fixtures of New York's avant garde theater scene, still more when it's a world premiere six years in the making. Such a play will come to Washington University Thursday and Friday, Feb. 4 and 5, when director Anne Bogart and actors Linda Chapman and Lola Pashalinski bring their new two-woman show "Gertrude and Alice: A Likeness to Loving" to Edison Theatre. Performances are at 8 p.m.

"Gertrude and Alice" examines the turbulent relationship between one of early modernism's most famous pairs, the writer Gertrude Stein and her companion Alice B. Toklas. Stein was a true American original — expatriate, pioneer, salonniere, self-promoter and friend to a generation of writers and artists — while Toklas served as Stein's muse, lover, secretary, housekeeper, publisher and, upon Stein's death, as the perpetuator of her artistic legacy.

The search to uncover the real women behind their often self-created mythology has proven to be a labor of love for Chapman and Pashalinski, who began

writing "Gertrude and Alice" in 1992. Based on Stein's published writings and a wealth of unpublished material (including Toklas' editing notes to Stein's manuscripts), the play depicts the two women's dedication to one another as well as their many struggles — over art, over sex, over jealousy, money and fame. Most importantly, the work examines how Stein's writing directly arose from

her daily life with Toklas.

Bogart joined the project two years ago after attending a public reading of the work-in-progress. "I am convinced that Gertrude Stein is my artistic

mother," Bogart said. "It was immediately clear that I could happily spend much more time with the material and with Chapman and Pashalinski."

An Off-Broadway production of "Gertrude and Alice" — produced by The Foundry Theatre — is planned for April and May of this year.

Anne Bogart is co-founder and artistic director of the Saratoga International Theater Institute (SITI), New York, and head of the graduate directing program at Columbia University. She has directed dozens of productions for SITI and for New York's Via Theatre. Bogart has received



Lola Pashalinski and Linda Chapman star in the world premiere of "Gertrude and Alice: A Likeness to Loving," a drama based on the lives of Gertrude Stein and Alice B. Toklas. The production debuts in Edison Theatre Thursday and Friday, Feb. 4 and 5.

numerous awards, including two Obie Awards and a National Endowment for the Arts (NEA) Artistic Associate Grant. She has twice sat on the NEA's Opera Musical Theatre Panel.

Linda Chapman is the associate artistic director of the New York Theatre Workshop. She has directed more than a dozen plays for other venues, including the New York Shakespeare Festival, P.S. 122, the Theater for the New City and the Thirteenth Street Theater.

Lola Pashalinski is a founding member of The Ridiculous Theatrical Company and the recipient of two Obie Awards for her roles in Charles Ludlam's

"Corn" and "Der Ring Gott Farblonjet." She has performed in theaters throughout the country, including the New York Theatre Workshop, The Joyce Theatre, Lincoln Center, the Yale Repertory and others.

Tickets are \$15 for the general public, \$10 for students, and are available through the Edison Theatre Box Office, 935-6543, or through MetroTix, 534-1111. The performance is sponsored by the Creative Writing Program in Arts and Sciences with support from Edison Theatre, the Performing Arts Department in Arts and Sciences, Olin Library Special Collections and the School of Art's Graduate Program.

Symposium focusing on Stein's work

Gertrude Stein's birthday is Feb. 3 and the grand old dame of American letters is looking awfully spry for her 125 years. In recognition of her work's importance to 20th century poetry and prose — and in anticipation of the role it will continue to play in the next century — the Creative Writing Program in Arts and Sciences will sponsor a conference titled "Gertrude Stein @ the Millennium" Feb. 5-7.

Keynote speakers include the filmmaker Stan Brakhage; William H. Gass, Ph.D., the David May Distinguished University Professor in the Humanities and director of the International Writers Center; Lyn Hejinian, author of "My Life," "The Cold of Poetry" and the Cell," who currently teaches at the Iowa Writers Workshop; and Kenneth Koch, author of "Straits," "The Gold Standard" and "Rose, Where Did You Get That Red?," who teaches at Columbia University.

Panelists include Steven Meyer, director of the Creative Writing Program; Ulla Dydo, editor of "A Stein Reader"; Marjorie Perloff of Stanford University; Joan Retallack of the University of Maryland; Jacques Roubard of the University of Paris, Nanterre; and Catharine Stimpson, dean of the Graduate School of Arts and Sciences at New York University.

For more information or to register, call 935-7130.

Predators • Lung Transplants • Tree of Life • Portugal • Recital

"University Events" lists a portion of the activities taking place at Washington University through Feb. 6. For a full listing of medical rounds and conferences, see the School of Medicine's website at medschool.wustl.edu/events/. For an expanded Hilltop Campus calendar, go to www.wustl.edu/thisweek/thisweek.html.

Exhibitions

"A Definite Claim to Beauty: William Morris' Kelmscott Press and Its Influence." Through Jan. 29. Olin Library, Special Collections, fifth floor. 935-5495.

"The Genius of Jean-Antoine Houdon." Through March 21. Steinberg Hall. 935-4523.

"The Getty Center: Photographs by Joe Deal, Models by Richard Meier." Through March 21. Steinberg Hall. 935-4523.

"International Abstraction: Art of the 1950s From the Washington University Collection." Through March 28. Steinberg Hall. 935-4523.

"Writers Reading Stein." Feb. 5-March 19. Olin Library, Special Collections, fifth floor. 935-5495.

Films

Friday, Jan. 29

7 and 9:30 p.m. Filmboard Feature Series. "Boys on the Side." (Also Jan. 30, same times, and Jan. 31, 7 p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Midnight. Filmboard Midnight Series. "When Harry Met Sally." (Also Jan. 30, same time, and Jan. 31, 9:30



p.m.) Cost: \$3 first visit; \$2 subsequent visits. Room 100 Brown Hall. 935-5983.

Lectures

Thursday, Jan. 28

Noon. Genetics seminar. "Yeast as a Genetic Tool to Study the Tumor Suppressor Protein p53." Rainer Brachman, asst. prof. of medicine. Room 823 McDonnell Medical Sciences Bldg. 362-3365.

1:10 p.m. School of Social Work spring lecture series. Daphne Scholinski, artist, discussing her book, "The Last Time I Wore a Dress." Brown Hall Lounge. 935-4909.

2:30 p.m. Mechanical Engineering seminar. "On the Mechanics of Stress-Softening Materials." Shankar Krishnaswamy, asst. visiting prof., U. of

Nebraska-Lincoln. Room 100 Cupples II Hall. 935-7096.

4 p.m. Education/African and Afro-American studies lecture. "African-American Education: Historical Meaning and Contemporary Issues." James Anderson, prof. of history and chair, educational policy studies dept., U. of Ill., Urbana-Champaign. Women's Bldg. Formal Lounge. 935-6730. See story, page 2.

4 p.m. Cancer Center seminar series. "The Functional Properties of BRCA1, a Tumor Suppressor Implicated in Hereditary Breast Cancer." Richard Baer, cancer research chair, U. of Texas Southwestern Medical Center, Third Floor Aud. Children's Hosp. 747-0359.

4 p.m. Cardiovascular research seminar. "Homeoprotein Regulation of Osteoblast Gene Expression." Dwight A. Towler, assoc. prof. of molecular biology and pharmacology. Room 801 Clinical Sciences Research Bldg. 362-3365.

4 p.m. English lecture. "The Poetics of Whiteness: Poe and the Racial Imaginary." Betsy Erkkila, chair, English dept., Northwestern U. of Ill-Evanston. Hurst Lounge Duncker Hall. 935-5190.

5 p.m. Vision science seminar. "Regulation of Lens Cell Proliferation in the Embryo: The Jak-STAT Signalling System and Beyond." David Beebe, prof. of ophthalmology and visual science. East Pavilion Aud. 362-3365.

Friday, Jan. 29

9:15 a.m. Pediatric Grand Rounds. "Advances in the Management of Hirschsprung's Disease." Jack Langer, assoc. prof. of surgery and of pediatrics. Clopton Aud., 4950 Children's Place. 454-6006.

Noon. Cell biology and physiology seminar. "Regulation of Lymphocyte Function by Kinases and Adaptors." Andrew Chan, asst. prof. of medicine and Howard Hughes Medical Institute assistant investigator in medicine. Room 426 McDonnell Medical Sciences Bldg. 362-6950.

Noon. Gastrointestinal Research Conference. "Alpha-1-Antitrypsin Deficiency and Liver Disease." David Permuter, prof. of pediatrics and of cell biology and physiology. Room 901 Clinical Sciences Research Bldg. 362-3365.

4 p.m. Anatomy and neurobiology seminar. "Diverse Roles for Myosin in the Nervous System." Paul Bridgman, assoc. prof. of anatomy and neurobiology. Room 928 McDonnell Medical Sciences Bldg. 362-3365.

Orchestra concert planned for Feb. 1

The Washington University Chamber Orchestra will present a concert at 8 p.m. Monday, Feb. 1, in Karl Umrath Lounge. Elizabeth Macdonald, director of strings in the Department of Music in Arts and Sciences, directs the program.

The program will include Michael Praetorius' "Terpsichore," Johann Sebastian Bach's "Brandenburg Concerto No. 3," Wolfgang Amadeus Mozart's "Divertimento, K. 138," Edward Elgar's "Sospiri" and Peter Warlock's "Capriol Suite."

The concert is sponsored by the music department and is free and open to the public. For more information, call 935-4841.

4 p.m. Hematology Division seminar. "Cloning and Expression of N-Acetylglucosamine-1-Phosphodiesterase a-N-Acetylglucosaminidase, a Key Enzyme in Formation of the Mannose-6-Phosphate Targeting Signal." Rosalind Kornfeld, prof. of biochemistry and molecular biophysics. Room 8841 Clinical Sciences Research Bldg. 362-3365.

Saturday, Jan. 30

10 a.m.-4 p.m. Gallery of Art symposium. "The Aesthetics of Abstraction: Beyond the Canvas." William H. Gass, David May Distinguished University Professor in the Humanities and dir., International Writers Center; Carl Phillips, assoc. prof. of English; Howard Brick, assoc. prof. history; William Paul, prof. of film; and Sabina Ott, dir., School of Art Graduate Program. Steinberg Hall. 935-4523.

Monday, Feb. 1

Noon. Molecular biology and pharmacology seminar. "Towards a Genetic Model for Endometrial Tumorigenesis." Paul Goodfellow, assoc. prof. of surgery. The Philip Needleman Library, Room 3907 South Bldg. 362-2725.

Travel series takes audiences far and wide

Interested in running with bulls, exploring historic ruins or deep sea fishing for blue sharks in Portugal? You can experience it all without ever leaving St. Louis.

The upcoming travelogue in the University's Travel Lecture Series titled, "Portugal's Places and Faces," will offer people these experiences and more.

The series, in its 101st season, is one of the University's oldest continuously running events. It is sponsored by the Washington University Association — an organization dedicated to extending the University's resources to the community.

Participants this year have already journeyed to the Holy Lands, Italy, Cuba and the American Rockies through travel films narrated by award-winning producers. Upcoming adventures will take audiences to Portugal, Florida, Africa and South America.

The travelogues are at 6 p.m. and 8:30 p.m. Fridays at Graham Chapel. Tickets are \$4.50 per person per show.

The four remaining programs are:

• **Feb. 5:** "Portugal's Places and Faces" by Dale Smith, photographer and filmmaker. Smith takes visitors to the ancient harbor city of Lisbon to watch the colorful St. Anthony's midnight parade. In Porto, viewers will see the annual wine boat race up the Douro River, a cork harvest and cork as it is transformed into champagne stoppers.

• **March 5:** "Exploring Wild Florida" by travel film producer Richard Kern. Kern, a naturalist who lives near the Florida Everglades, will take participants to the Suwannee River system, home of the world's largest artesian springs; the salt water world of Biscayne National Park;

the Florida Keys, and Peacock Spring's vast underwater cave system.

• **April 9:** "South Africa" by John Wilson, wildlife documentary filmmaker. Travelers will see everything from the Kalahari Desert to the Garden of the Gods, a landscape awash with wildflowers. They can pan for gold, tour the winelands or stand at the point where two oceans meet and watch sailboats round the Cape of Good Hope.

• **May 7:** "Where is Patagonia?" by Ken Armstrong, an award winning television documentary producer and co-founder of the Golden Gate Geographic Society. The journey to the southern part of South America retraces Charles Darwin's historic voyage aboard the HMS Beagle.

For more information or to subscribe to the 1999-2000 season, call 935-5212.

3:30 p.m. Molecular biophysics program seminar. "Protein Crystallography in Four Dimensions." Gregory A. Petsko, prof. of chemistry and biochemistry, Brandeis U. Cori Aud., 4565 McKinley Ave. 362-3963 or 362-4565.

4 p.m. Biology lecture. "An Integrative Approach to Studying the Impacts of Predators on Prey." Andrew Sih, prof. of behavioral ecology, U. of Ky. Room 322 Rebstock. 935-6860.



Tuesday, Feb. 2

11 a.m. Biology seminar. "An Integrative Approach to Studying Sexual Selection." Andrew Sih, prof. of behavioral ecology, U. of Ky. Room 212 McDonnell Hall (Hilltop Campus). 935-6860.

Noon. Molecular microbiology and microbial pathogenesis seminar series. "The Listeria Monocytogenes Hemolysin: Role in Pathogenesis and Utilization for the Delivery of Macromolecules to Mammalian Cell." Darren Higgins, research assoc., U. of Calif.-Berkeley. Cori Aud., 4565 McKinley Ave. 362-2772.

Wednesday, Feb. 3

6:30 a.m. Anesthesiology Grand Rounds. "Update on Lung Transplantation." Alec Patterson, Joseph C. Bancroft Professor of Surgery. Wohl Aud. 362-6978.

11 a.m. Assembly Series lecture. "What Can We Expect from a Theory of Consciousness?" Patricia Churchland, prof. of philosophy, U. of Calif.-San Diego. Graham Chapel. 935-5285. *See story, page 2.*



3:45 p.m. Physics colloquium. "The Tree of Life: The Origin of Universal Scaling Laws in Biology from Molecules and Cells to Whales." Geoffrey B. West, Theoretical Division, Los Alamos National Laboratory. Room 204 Crow Hall (coffee, 3:30 p.m., Room 241 Compton Hall). 935-6276.



4 p.m. Biochemistry and molecular biophysics seminar. "Comparative Protein Structure Modeling in Genomics." Andrej Sali, asst. prof., Rockefeller U., New York. Cori Aud., 4565 McKinley Ave. 362-0261.

7:30 p.m. School of Art slide lecture. "Humanism and Psychosis in Post-Millennium Madness." Visiting artist Rosetta Brooks, writer and critic. Steinberg Aud. 935-5884 or 935-7497.

Thursday, Feb. 4

4 p.m. Molecular microbiology lecture. "Rupture and Invasion of the Intestinal Epithelial Barrier by Shigella: From Molecular and Cellular Pathogenesis to Vaccine Development." Philippe Sansonetti, prof., Pasteur Institute. Moore Aud., 6605 Euclid Ave. 362-7258.

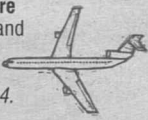
4:30 p.m. Mathematics Roever colloquium. Raghavan Narasimhan, prof., U. of Chicago. (tea 4 p.m., Room 200 Cupples I Hall). Room 199 Cupples I Hall. 935-6760.

Friday, Feb. 5

Noon. Cell biology and physiology seminar. "The Role of Localized Secretion in the Establishment of Cell Polarity in Fucus Zygotes." Ralph S. Quatrano, Spencer T. Olin Professor and Chair, biology dept. Room 426 McDonnell Medical Science Bldg. 362-6950.

4 p.m. Biology seminar. "Transcriptional and Post-Transcriptional Regulation of ABA Response Genes of Maize." Montserrat Pagés, Barcelona. Spain. Room 212 McDonnell Hall (Hilltop Campus). 935-6860.

6 and 8:30 p.m. Travel lecture series. "Portugal's Places and Faces." Dale Smith. Cost: \$4.50. Graham Chapel. 935-5212. *See story, page 4.*



Music

Saturday, Jan. 30

8 p.m. Graduate recital. Music of Schütz, Butterworth, Poulenc and Brahms. James Harr, baritone, and Henry Palkes, piano. Graham Chapel. 935-4841.



Monday, Feb. 1

8 p.m. Concert. WU Chamber Orchestra. Elizabeth Macdonald, dir. Music of Praetorius, Bach, Mozart, Elgar and Warlock. Karl Umrath Lounge. 935-4841.

Saturday, Feb. 6

8 p.m. OVATIONS! series concert. "Blind Boys of Alabama With The Persuasions." Cost: \$25. Call for discounts. Edison Theatre. 935-6543.

Performances

Friday, Jan. 29

8 p.m. OVATIONS! series performance. "Trisha Brown Company." Trisha Brown, choreographer. (Also Jan 30, same time, and Jan. 31, 2 p.m.) Cost: \$23. Edison Theatre. 935-6543.

Thursday, Feb. 4

8 p.m. Creative Writing Program performance. "Gertrude and Alice: A Likeness to Loving." (Also Feb. 5, same time). Cost: \$15 for public, \$10 for students. Edison Theatre. 935-6543. *See story, page 4.*

Miscellany

Thursday, Feb. 4

8-11:30 a.m. STD/HIV class lecture and practicum. "STD Lab Methods." (Also Feb. 11, 18, and 25, same time). Cost: \$60. UMSL. To register, call 747-1522.

Sports

Friday, Jan. 29

6 p.m. Men's and women's swimming/diving. WU Invitational. (Also Jan. 30, 11 a.m.) Millstone Pool. 935-5220.



Gospel legends The Blind Boys of Alabama bring their spirited sounds to Edison Theatre for a one-night-only performance Feb. 6 with a capella legends The Persuasions.

Blind Boys of Alabama at Edison

Six decades after their founding at the Taladega Institute for the Deaf and Blind, gospel legends the Blind Boys of Alabama continue to bring their spirited music to audiences around the world. On Feb. 6, that lucky audience will be in St. Louis when the Blind Boys — joined by a cappella troubadours The Persuasions — come to Edison Theatre for an evening of ecstatic, revival-style testimony.

Founded during the Great Depression as the Five Blind Boys, the group has grown over the years to a total of nine singers and still includes three original members — Clarence Fountain, George Scott and Johnny Fields. The Blind Boys survived their first decade of touring (and the death of founding member Velma B. Traylor) and in 1948 released their first 78rpm recording. The group enjoyed a string of gospel hits in the 1950s, including songs such as "Oh, Lord Stand By Me" and "I Can See Everybody's Mother But I Can't See Mine."

It wasn't until 1988, however, that the Blind Boys got their first taste of mainstream success, starring with actor Morgan Freeman in the Obie Award-winning Broadway Musical "Gospel at Colonus." The show played for 15 weeks and led to a series of high-profile engagements, including appearances at the Philadelphia Folk Festival, the

King Biscuit Blues Festival, the Beale Street Music Festival and others.

In 1994 the Blind Boys were awarded a National Heritage Fellowship from the National Endowment for the Arts, presented to them by First Lady Hillary Rodham Clinton. That year they also were featured on the popular FOX television show "Beverly Hills 90210" and on the BET Network's series "On Jazz."

The Persuasions have been pioneering a cappella music since 1962, when they began perform-

record 21 albums featuring their trademark mix of doo-wop, gospel, blues and ballads and has performed more than 8,000 shows.

Like the Blind Boys, The Persuasions' line-up is notable for its consistency, remaining unchanged until 1988 when founding member Herbert "Tubo" Rhodes passed away. (For the next eight years the group performed as a quartet, one empty microphone at each show testifying to their fallen companion.) In 1996, however, former Drifter Bernard "B.J." Jones filled in for a sick member and soon after was invited to join the group on a permanent basis.

In 1996 The Persuasions were the subject of a PBS documentary titled "Spread the Word," also the title of their 1995 album. Currently signed to Rounder Records, the group released its latest album, "You're All I Want for Christmas," in 1998.

All that, as the group likes to say, and they "still ain't got no band."

The one-night-only show begins at 8 p.m. Tickets are \$25 and are available at the Edison Theatre Box Office, 935-6543, or through MetroTix, 534-1111. Call for discounts. The performances are sponsored by Edison Theatre's OVATIONS! Series. For more information, call 935-6543.

The Blind Boys of Alabama

The Persuasions

Where Edison Theatre

When 8 p.m. Feb. 6

Cost \$25 at the box office, 935-6543, or through MetroTix, 534-1111

ing on the street corners of Brooklyn's Bedford Stuyvesant section. Calling themselves The Persuasions because they felt they'd have to "persuade" people to listen to a cappella music, the quintet landed its first recording contract in 1968 after auditioning for Frank Zappa over the telephone. The group has gone on to

Sports Section

Hard-driving Bear basketball teams gear up for stretch drive

Washington University's men's and women's basketball teams face a crucial stretch of games as they vie for NCAA postseason bids. Both squads, in first place in the University Athletic Association (UAA) heading into last weekend, play six of their final eight games away from St. Louis.

For the women, that means road contests with Emory University (Jan. 29)—the last team to beat the Bears in February of 1998—and New York University (Feb. 21). WU defeated the Violets, who won the 1997 NCAA Division III championship, 69-47 Jan. 15.

Nancy Fahey's women's squad, ranked No. 1 in the nation by Columbus Multimedia and second nationally in the first Women's Basketball Coaches Association (WBCA) Division III poll, were working on a

22-game overall win streak, as well as a 22-game winning spree at the Washington U. Field House as of Friday, Jan. 22.

Mark Edwards' men's team, one of the hottest in the league with wins in seven of its last nine games, has a pair of dates remaining with the University of Chicago. The teams were scheduled to open the UAA season Jan. 3 in St. Louis, but heavy snow forced the postponement of those games until the final week of the season.

The Bears face the two-time defending UAA champion Maroons twice in four days—Feb. 24 in St. Louis and Feb. 27 at Chicago. Washington U.'s recent home games featured teams (Rochester and Case Reserve) ranked in their respective regions by the NCAA in its official regional ratings. Rochester and CWRU also sported a combined 21-6 record.

Both Washington U. hoops coaches have rolled on since achieving a unique milestone Jan. 8 at Haverford (Pa.) College. Both Fahey and Edwards, who have spent more than a decade at their posts, reached 275 career victories on the same night as the Bears swept the Fords.

Fahey sports a 278-61 record (.820 winning percentage) in her 13th season on the Bear bench, while Edwards owns a 277-180 ledger (.606) for the 18 years since reviving the dormant men's program in 1981.

Washington U. is well represented in the most recent (Jan. 17) UAA statistical leaders. Junior All-America center Alia Fischer, who led the UAA in scoring as a sophomore, is again on top with a 21.3 points per game (ppg) average. Sophomore forward Tasha Rodgers, who has enjoyed a breakthrough campaign, is fourth

in scoring with a 17 ppg clip. Fischer, the WBCA's Division III Player of the Year last season, also leads the conference in blocked shots (2.7 blocks per game) and field-goal percentage (.578). Fischer ranks fifth among league players in rebounding (9 rebounds per game), while Rodgers is seventh (7.3 rpg).

Two WU guards rank among the league leaders in assists. Junior guard Emily Harold is third in the UAA in assists per game (5.3), while backcourt classmate Sue Tucker is eighth (3.3 apg).

The Bear men's squad boasts individual league leaders in assists, blocked shots and free-throw percentage. Junior forward Dave DeGreeff, playing his first season at WU after transferring from Truman State University, is logging 12.3 rebounds per game and has posted a "double-double" of double figures in points and

rebounds in five of the last seven games.

DeGreeff, who has averaged 11.3 ppg and 10.7 rpg since entering the starting lineup Dec. 12 versus MacMurray, also shows up in the top 10 in the league in scoring (seventh, 15 ppg) and field-goal percentage (fourth, .556).

Sophomore forward Chris Alexander leads all players with 1.7 blocks per game, while fellow sophomore guard Derek Laur has not missed a free throw in eight attempts to top the UAA charts with 100-percent accuracy from the charity stripe.

Laur is also second in three-point field-goal percentage (.714), connecting on five of seven attempts, and sophomore point guard Ryan Patton ranks second in the UAA in assists per game (5).



RA Carousel Steven Hoffner, assistant vice chancellor for students and director of operations, and sophomore resident adviser (RA) candidates Carrie Howland and Trevin Lau share a laugh during a small-group exercise at an "RA Carousel" Thursday, Jan. 21, in Wohl Center. The carousel, one of five scheduled throughout late January, gave the residential life staff, as well as participating administrators, faculty and current RA's, an opportunity to interact with over 100 RA candidates and gauge their ability to work together and problem solve.

U College takes up millennium issues

Four lectures this spring will examine the turning of the millennium from different perspectives. The annual Saturday lecture series, which is free and open to the public, is sponsored by University College in Arts and Sciences and its Master of Liberal Arts program.

Led by Arts and Sciences professors, the lectures will be held from 11 a.m. to 12:30 p.m. Saturdays Feb. 6 - 27 in the Goldfarb Auditorium McDonnell Hall.

The theme, "Approaching the Millennium," encompasses ways in which the idea of the millennium has been used to create the sense

of a critical moment, a moment of significant endings and beginnings, in theology, politics and in social and cultural life.

The series includes the following lectures:

- Feb. 6 — "Counting the Number of the Beast: Apocalypticism in Early Modern England" presented by Derek M. Hirst, Ph.D., the William Eliot Smith Professor of History and chair of the Department of History;

- Feb. 13 — "Millennialism in Early Christianity" presented by J. Patout Burns, Ph.D., the Thomas and Alberta White Professor of Christian Thought;

- Feb. 20 — "Time Trials: Millennial Anxieties from 1000 to 2000 A.D." presented by Gerhild Scholz Williams, Ph.D., professor of Germanic languages and literatures and associate vice chancellor of academic affairs; and

- Feb. 27 — "Looking Forward by Looking Back" presented by Michael Friedlander, Ph.D., professor of physics. Friedlander will look at discoveries of 20th-century science that could have been foreseen in 1900 and discuss them as a guide in making predictions now.

For more information, call University College at 935-6788.

Dean

Seligman chosen to head law school

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Wrighton said. "Additionally, the School of Law's proposed interdisciplinary center is symbolic of the school's bright future. Such interdisciplinary collaborations are one of the areas in which Washington University truly has excelled."

Seligman, who will become dean July 1, said: "I look forward to working with the talented law students and dedicated faculty and administrators. I am honored to be selected as the new dean and to be named to the Ethan A. H. Shepley University Chair.

"The School of Law's new state-of-the-art Anheuser-Busch Hall will set the pace for legal education into the next millennium. Students, faculty, alumni, parents and friends have been full partners in the school's dramatic progress to date. I look forward to their support to further enhance an already outstanding school. Rarely have my wife and I felt so warmly welcomed to any community as we have been by Washington U."

Kathleen F. Brickey, J.D., the James Carr Professor of Criminal Jurisprudence and chair of the Advisory Committee on the Appointment of the Dean of the School of Law, said the committee is delighted with Seligman's appointment.

"We are thrilled that Joel has agreed to serve as our dean," Brickey said. "He has all the intellectual, administrative, personal and leadership qualities we could ever have hoped to find. Joel's extraordinary accomplishments as a dean and his exemplary record as a teacher and scholar place him in a league by himself. I can think of no one who is better equipped to capitalize on the school's momentum and lead us into the next century."

Among Seligman's accomplishments at the University of Arizona was a \$110 million capital campaign launched and completed at the College of Law. Additionally, Seligman spearheaded five construction projects; oversaw the successful completion of three re-accreditation processes; initiated a visiting scholars program; and stabilized financing for in-house law clinics, the Masters in International Law program and the law library.

Eminent scholar

An eminent scholar on securities regulation, Seligman is the author or co-author of seven books and numerous articles on legal issues related to securities and corporations, including the 11-volume treatise co-authored with the late Louis Loss, "Securities Regulation," which is the premier treatise in the field. His book, "The Transformation of Wall Street: A History of the Securities and Exchange Commission and Modern Corporate Finance," is widely regarded as a classic in its field.

At the University of Arizona College of Law, Seligman was named dean and the Samuel M. Fegly Professor of Law in 1995.

He previously served on the law faculty of the University of Michigan, George Washington University and Northeastern University. He has been a consultant to the Federal Trade Commission, the U.S. Department of Transportation and the Office of Technology Assessment.

Seligman received a bachelor's degree magna cum laude from the University of California at Los Angeles in 1971 and a law degree cum laude from Harvard University School of Law in 1974. He and his wife, Friederike, have two children, Andrea, 14, and Peter, 12.

Keating, who succeeded Dorsey D. Ellis Jr. as dean on July 1, 1998, will return to his former position as associate dean and professor of law. Susan Appleton, J.D., professor of law, also will continue to serve as an associate dean.

Keating said he welcomes the opportunity to serve in Seligman's administration. "I look forward to working with Joel as he leads our school in what promises to be a stellar future," he said. "During my tenure as dean, I have become even more fully convinced of just what an outstanding faculty, student body and staff we have at the law school. The last six months have been a tremendous learning experience for me, and I look forward to continued service as associate dean. I also welcome the opportunity to return to teaching, which I have greatly missed, and to having more time to spend with my family."

Tribute to Keating

Wrighton noted Keating's accomplishments as dean and thanked him for serving during the transition period. "Dan Keating has served the law school well during this crucial time and continued the momentum created by the legacy of Dan Ellis' decade of service, including the new law building. Dan Keating has made key appointments to Career Services, the graduate and joint-degree programs and his administration. The law school has hosted oral arguments by the Eighth Circuit Court of Appeals and has launched a new public interest discussion series with headliners such as Ralph Nader. Thanks to Dan Keating's efforts, the general atmosphere at the law school among faculty and students is one of positive anticipation. We are fortunate to have both Dan Keating and Susan Appleton in key leadership roles in our School of Law."

Wrighton thanked the advisory committee for its work in the dean selection process. "The advisory committee, chaired by Professor Brickey, has done an outstanding job in assisting me during the nationwide search for a new law dean," Wrighton said. "I am grateful for the outstanding work of the entire committee. There are extraordinary opportunities before us at the University, and I enthusiastically welcome Joel Seligman to our team dedicated to accelerate the progress in our law school."

Trulock

Appointed to new Flance professorship

— from page 1

M.D., the Adolphus Busch Professor and chairman of the Department of Medicine. Bert Trulock, one of our best clinician-researchers, is an appropriate person for the Golman professorship."

Trulock is nationally known for his expertise in managing patients who receive lung transplants and patients who undergo lung volume reduction surgery. He is medical director of the lung transplantation program and the pulmonary bronchoscopy service at Barnes-Jewish Hospital. He also

conducts clinical research on surgery outcomes, drug therapy and clinical follow-up of patients who receive lung transplants.

He is a member of the national honorary medical society Alpha Omega Alpha, the American Thoracic Society, the International Society for Heart and Lung Transplantation, the American Society of Transplant Physicians and the American Medical Association. Trulock also is a fellow of the American College of Physicians and the American College of Chest Physicians. He was named Clinical Teacher of the Year in 1984 by the Washington University Medical Service at Barnes-Jewish Hospital.

Trulock joined the University in 1984 as an assistant professor of medicine. He was named associate professor of medicine

in 1992 and promoted to professor in 1998.

Trulock received a bachelor's degree in 1968 and a medical degree in 1978, both from Emory University. He then completed an internship, internal medicine residency, pulmonary fellowship and chief residency in internal medicine at Washington University.

I. Jerome Flance has been a member of the medical school faculty for 53 years. Known as an excellent clinical teacher, Flance has played a part in educating generations of internists and pulmonary disease specialists. In addition, he still is very active in clinical practice and in the affairs of the School of Medicine.

Rosemary Flance, a graduate of the University of Chicago, is an active supporter of the University's William Greenleaf Eliot Society. She also is a former president of the women's division of the St. Louis Jewish Federation and has been a board member of the University's Women's Society and of the St. Louis Symphony Society Volunteer Association, as well as numerous other community agencies.

Employment

Use the World Wide Web to obtain complete job descriptions. Go to cf6000.wustl.edu/hr/home (Hilltop) or medicine.wustl.edu/wumshr (Medical).

Hilltop Campus

Information regarding positions may be obtained in the Office of Human Resources, Room 130, West Campus. If you are not a WU staff member, call 935-9836. Staff members call 935-5906.

Mechanic (Bargaining Unit Employee) 990104
Publications Editor/Coordinator 990115

Administrative Assistant 990119
Director, Arts and Sciences Annual Fund/Director of Development, Olin Library 990120

Researcher 990122
Department Secretary 990124

Assistant Director, Development Services 990139

Accounting Operations Project Manager 990142
Switchboard Operator (part time) 990143

Administrative Assistant 990144
Apartment Referral Service Coordinator 990145

Receptionist 990146
Assistant Records Manager 990147

Public Service Coordinator (part time) 990152

Accounts Payable Representative Trainee 990153

Associate Director, Annual Giving Programs 990156

Secretary 990157
Earth and Planetary Sciences Library Assistant 990158

Director of Executive Education Programs 990159

Associate Dean and Director, Weston Career Resources Center 990160

Department Secretary II 990161

Administrative Secretary 990162

Auxiliary Enterprises Project Manager 990165

Input Output Clerk (part time) 990166

LAN Engineer 990167

Library Technical Assistant (Serials) 990168
Private Grant Specialist 990169

Medical Campus

This is a partial list of positions at the School of Medicine. Employees: Contact the medical school's Office of Human Resources at 362-7196. External candidates: Submit resumes to the Office of Human Resources, 4480 Clayton Ave., Campus Box 8002, St. Louis, Mo. 63110, or call 362-7196.

Technician 990584
Pulmonary Function Technician 990654

Animal Care Technician 990861

Professional Rater I 990936

Data Analyst 990943
Surgical Coding Coordinator 990956

Financial Operations Manager 990959

Card

Information stored on Web server

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system is much more secure than paper records, which could be read by anyone or even removed from a doctor's office, Gross said.

The Web pages provide general information about a patient, insurance coverage, medications, medical and genetic history, information about exposure to infectious diseases and current and past pregnancy data. "As well

as helping patients in emergencies, we hope this will cut down on redundant tests," Gross said. "For example, pregnant women often come into the hospital because they are bleeding, and many do not know their blood type. Because that information is on the card, we don't have to do another work-up."

The WOMENS CARD also links physicians to Web sites with information about rare medical conditions. If a patient has Noonan's syndrome, for example, the system will display a Web page about that disorder with her medical record. "We have found Web pages for many things a

woman's physician might never have heard of," Gross said, "because we don't want doctors to spend time running to the library."

The cards are inexpensive to make — each one costs less than \$20 — and card readers are less than \$75. Therefore the WOMENS CARD could easily be adapted to other patient populations. "The dream is that everyone will have one," Gross said. "But the next logical steps for us are cards for newborns and children. Just think how great it would be if you didn't have to keep looking up your kids' immunization records."

The study is privately funded by an anonymous donor.

Notables

Eggert named deputy general counsel

Mark W. Eggert, a corporate attorney and former federal prosecutor, has been appointed assistant vice chancellor and deputy general counsel, according to Michael R. Cannon, vice chancellor and general counsel. He will serve as the principal attorney for the School of Medicine.

Eggert will direct the development of policies to assure compliance with local, state and federal laws and manage negotiations concerning hospital and physician affiliation agreements and managed care agreements. He also will help assess the impact of legislation and regulations relevant to health and higher education issues.

"Eggert brings to this position broad legal experience, a thorough grasp of the evolving health care industry and unquestioned integrity and commitment to the School of Medicine and the University at large," Cannon said. "He is also well known and highly regarded in our affiliated hospitals. I know he will bring wise and supportive leadership in delivering legal services to what is plainly one of the most prestigious and dynamic patient care and scientific research institutions in the world."

As a partner in the St. Louis-based international law firm of Bryan Cave, Eggert focused his practice on health care matters and general commercial litigation. Previously, as an assistant United States attorney in St. Louis, Eggert supervised the investigation, preparation and prosecution of



Mark W. Eggert (left), newly appointed as assistant vice chancellor and deputy general counsel, will team with Michael R. Cannon, vice chancellor and general counsel.

more than 60 federal criminal cases. Before that he practiced as a litigation associate with two different California law firms and as a legislative assistant for Sen. John C. Danforth. He has written and lectured on topics related to health care.

Eggert served in the U.S. Army National Guard and Reserves from 1982-94 and was the Distinguished Leadership

Graduate, ranking first in his class of 200 people. He also received an expert infantryman's badge, an Army commendation medal and army service ribbon.

Eggert received a bachelor's degree from Harvard College in 1983 and a J.D. from Harvard Law School in 1986. He is a member of the Missouri and California bar associations. He is married and has four children.

Three appointments made in Campus Life

Jill E. Carnaghi, assistant vice chancellor for students and director of campus life, has announced three appointments within the event services and student activities offices.

Susan Nickrent has been named to the newly created role of director of event services. She will be responsible for providing a range of services and programs to support the meeting and activity needs of the campus community. She also will supervise and oversee the Scheduling Office and develop and maintain a University calendar to effectively publicize events and meetings on campus.

For the last 10 years, Nickrent served as director of conventions and tradeshow at the America's Center in St. Louis, where she was responsible for all facets of customer service for the facility. She also hired, trained and supervised event managers and was responsible for all coordination between clients and the facility departments, service contractors and labor unions.

Nickrent earned a bachelor's degree in political science from Washington University in 1985.

The other two appointments took place in the Office of Student Activities, where **Melanie Adams** was promoted to associate director of student activities and **Shanelle Henry** was named coordinator for multicultural education.

In her new capacity, Adams will supervise coordinators in student activities and continue to develop and implement a comprehensive leadership

program for the University community. She will provide support for student groups and their advisers through advising, developing source materials and providing workshops.

Adams, who came to the University in 1997 as program coordinator for campus leadership programs, will continue to co-facilitate the Women's Leadership Training Institute program, as well as developing and interpreting University policies and procedures related to student organizations and campus events.

Prior to coming to the University, Adams served as residential life coordinator at California State University at Northridge from 1996 to 1997 and was academic program coordinator at the University of California at Berkeley from 1993 to 1996.

Adams received a bachelor's degree in English and African-American studies from the University of Virginia in 1991 and earned a master's degree in higher education and student affairs administration from the University of Vermont in 1993.

Henry, in her role as coordinator for multicultural education, will advise student organizations, including the Association of Black Students, the Association of Latin American Students, the National Pan-Hellenic Council, the Black Senior Alliance and SHADES, a bi-racial, multiethnic student group. In addition, she will design, implement and evaluate

multicultural, educational, recreational and social programs. Henry also will coordinate and advise traditional campus events including Black Anthology, Kwanzaa, Community Week, Black Arts and Sciences Festival and the Martin Luther King Symposium.

Henry comes to the University from the University of Massachusetts in Amherst, where she received a master's degree in multicultural education and social justice in 1998. She earned a bachelor's degree in education from Smith College in Northampton, Mass., in 1995.

Previously, Henry served as diversity program facilitator in the Office of Civil Rights at Eastern Illinois University. She also worked as a resident director in that institution's Department of Housing.

"I am thrilled that Sue and Shanelle have joined us in Campus Life," Carnaghi said. "Sue brings a wealth of experience that will only raise our standard of service to those booking events. We hope to provide 'one-stop shopping' for individuals and departments planning events and conferences. Shanelle is most qualified to fulfill a critical role in working with many of our multicultural student groups and providing multicultural educational opportunities for all students."

"In addition," Carnaghi continued, "Melanie's promotion will provide greater support and collaboration among student activities' staff who work closely with individual students and many student groups."

Of note

Stuart Banner, J.D., professor of law, was appointed a fellow at the Woodrow Wilson International Center for Scholars for his proposed research project on the history of the death penalty in the United States. ...

An article by **Pauline Kim**, J.D., associate professor of law, on "Norms, Learning and Law: Exploring the Influences on Workers' Legal Knowledge," was selected for honorable mention in the Association of American Law Schools Call for Scholarly Papers. The article will appear in the University of Illinois Law Review in spring 1999. Kim recently presented the paper at the eighth annual meeting of the American Law and Economics Association held at the University of California-Berkeley. ...

Thalachallour Mohanakumar, Ph.D., the Jacqueline and William Maritz Professor of surgery and professor of medicine and of pathology, has received a one-year \$173,854 grant from the Juvenile Diabetes Foundation International for a project titled "JDF Human Islet Distribution Program DRTC of Washington University." ...

Jean E. Schaffer, M.D., assistant professor of medicine and of molecular biology and pharmacology, has received a three-year \$509,025 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for a project titled "Molecular Basis of Long Chain Fatty Acid Transport." ...

Clay F. Semenkovich, M.D., associate professor of cell biology and physiology and of medicine, has received a four-year \$824,931 grant from the National Institute of Diabetes and Kidney Diseases for a project titled "Intermediary Metabolism and a Novel RNA Binding Protein."

On assignment

Frances H. Foster, J.D., J.S.D., professor of law, recently appeared on two Russian law panels at the national convention of the American Association for the Advancement of Slavic Studies held in Boca Raton, Fla. She chaired the panel on "Reviewing Judicial and Jury Practice in Russia: The Supreme Court and the Legal Profession" and presented a comparative analysis of recent trends in Russian and Chinese law on the panel on "Recent Developments in the Russian Legal System."

Speaking of

Phillip L. Gould, Ph.D., the Harold D. Jolley Professor of civil

engineering, and **Srinivasan Sridharan**, Ph.D., professor of civil engineering, were recently invited for a five-day visit to the Institute of Industrial Science (IIS) at the University of Tokyo. Gould gave a lecture on "Local-Global Methodology for Nonlinear Analysis of Shells of Revolution," while Sridharan spoke on "Interaction of Local and Overall Buckling in Stiffened Plates and Shells." In addition to speaking at IIS, the two lectured at the National Symposium on Shell and Spatial Structures held in Nagoya. The visit was part of an exchange program between Washington University and IIS.

To press

Andy Clark, Ph.D., professor of philosophy and director of the Philosophy/Neuroscience/Psychology Program in Arts and Sciences, explored the role of temporal coordination between neural and bodily processes in an article titled "Time and Mind" in the July 1998 issue of the Journal of Philosophy. Clark describes the article as part of a "rather in-house debate" within cognitive science about the right framework for understanding cognition: computation (atemporal) versus dynamics (time-rich). ...

William Lowry, Ph.D., associate professor of political science in Arts and Sciences, published an article on "Public Provision of Intergenerational Goods: The Case of Preserved Lands" in the October 1998 issue of the American Journal of Political Science. In a study of 100 nations, Lowry found that the amount and quality of public lands, natural resources and other public goods preserved by a nation is closely related to the visibility of supportive advocacy coalitions and the durability of a centrally located public agency responsible for such preservation. ...

Steven N. Zwicker, Ph.D., professor of English in Arts and Sciences and co-director of the Program in Literature and History, edited two books that recently have been published: "The Cambridge Companion to English Literature 1650-1740" by Cambridge University Press, and "Refiguring Revolutions: Aesthetics and Politics from the English Revolution to the Romantic Revolution" by the University of California Press.

Guidelines for submitting copy:

Send your full name, complete title(s), department(s), phone number and highest-earned degree(s), along with a description of your noteworthy activity, to Notables, c/o David Moessner, Campus Box 1070, or e-mail David_Moessner@aismail.wustl.edu. Items must not exceed 75 words. For information, call 935-5293.

Young scholars receive book awards

Ninety-eight outstanding high school students in Missouri and Illinois recently received 1998 Book Awards from Washington University.

The award, now in its fifth year, honors students who exemplify qualities important to the University, including academic achievement, intellectual curiosity and commitment to bettering the community.

A selection committee from the University's Office of Undergraduate Admissions chose the winners. The 98 honorees were selected from a field of 160 high school students nominated by high school

counselors throughout Illinois and Missouri.

In a ceremony in Holmes Lounge, Chancellor Mark S. Wrighton presented the honorees with an award certificate.

In separate ceremonies last spring, each recipient was awarded either a Webster's Dictionary embossed with the Washington University seal or a copy of "A Union of Words" by Wayne Fields, Ph.D., professor of English in Arts and Sciences.

The National Council of Arts and Sciences established the Washington University Book Award in 1990.

Washington People

Getting to know the Gayo in Sumatra's highlands

In the highlands of Sumatra, Indonesia, known for its coffee plantations, rice fields and spectacular vistas, John R. Bowen, Ph.D., professor of anthropology in Arts and Sciences, has documented a rich and complex tapestry of cultural change among the Gayo, who inhabit the area.

Through groundbreaking fieldwork beginning in 1978, Bowen has traced the intricacies of cultural and social shifts in the Gayo people's oral traditions, Islamic practice and legal systems. Bowen jokes that northern Sumatra's moderate climate and his love of coffee were enticing factors in selecting the site for fieldwork, but the area has been ideal for numerous reasons.

Although Indonesia is the largest Muslim nation, the inhabitants' practice of Islam had been one of the least studied. While the country is the fourth most populated, anthropologists were just beginning to document the cultural diversity of its 190 million people, who speak more than 300 distinct languages. Additionally, Indonesia has undergone major transformation politically from control by independent rulers to Dutch colonization to Japanese occupancy. Following independence in 1945, the country experienced radical nationalization, rebellion in many provinces, government massacres of at least 500,000 people accused of being communists, and current turmoil after the fall of the Suharto regime.

Shifts in traditions

Cultural reshaping of Gayo traditions, including religious practices and verbal art forms, reflects these political changes. The fine details behind these adaptations and the variation in adaptation among village and urban dwellers have been a source of fascination for Bowen, as well as a subject of lively debate among the Gayo themselves.

"Anthropology used to describe 'the people of X place' as if they had a fixed way of life, but it is really a lot more complicated than that," said Bowen, the author of two books and numerous articles on Gayo religious practices, politics and poetics. "While a few principles and ways of life may characterize a people over time, social life changes as a set of responses to new issues. I try to analyze change through the lens of those principles and those ways of life."

Bowen's fieldwork represents the first anthropological study of the Gayo people. His research documents the innovative reshaping of their oral histories, village maxims, oral poetic competitions and ritual speaking, which is used to settle disputes or mark major village events such as marriages. Through these adapted cultural forms, the Gayo have maintained a strong sense of identity



John R. Bowen, Ph.D., talks with graduate student Erin Stiles about plans for her fieldwork in Africa.

and incorporated issues of public debate.

In addition to the depth of his scholarly analysis, Bowen's research is noteworthy for the long period of time he has spent among the Gayo, including a 28-month stint in the 1970s and numerous return visits ranging from two to 10 months each. Bowen, who is fluent in Indonesian and Gayo, has recorded literally thousands of hours of interviews, public debates, poetic competitions and major events in the Sumatran highlands.

Proficient in both Arabic script and written Dutch, he also has spent countless hours poring over religious, political, historical and legal documents. The experience has led to close friendships with the Gayo, many of whom have expressed gratitude for his role in helping to preserve their culture.

Interwoven with his study of cultural forms, Bowen has documented the Gayo's everyday practice of Islam. His focus again has been on variation in religious practices and the meanings to individuals as they carry out religious rituals related to farming, healing, praying and burying the dead. Bowen has analyzed broader religious transformations taking place in the Indonesian nation and the worldwide Muslim community as well.

"My Gayo fieldwork showed me how many generalizations and religious debates about what 'Islam says' are misleading," Bowen said. "There is no such person named 'Islam' who pronounces on human life, only a lot of people, connected in various ways and with differing degrees of authority, who make pronouncements. They often make these because of the culture or political interests and values they have, not because they are Muslims. Gayo Muslims, for example, have relatively gender-equal attitudes, and they see their Islam through that lens."

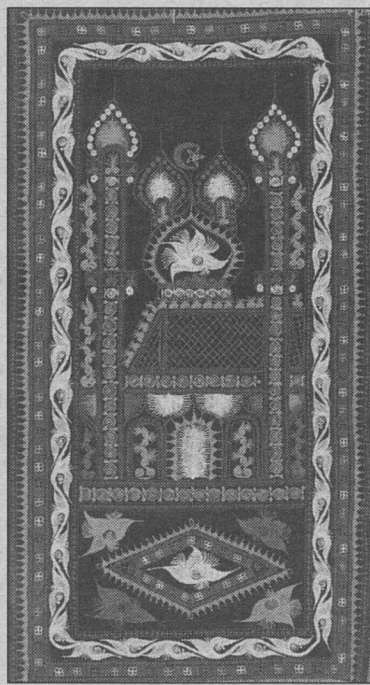
Special gift

William Graham, a colleague of Bowen's and chair of the Department of Near Eastern Languages and Civilizations at Harvard University, noted that Bowen's study of Muslim traditions, combined with his fieldwork in Indonesia, provides valuable insights for the wider field of Islamic studies.

John Bowen's pioneering research reveals intricacies of Gayo culture – and broader lessons as well

By ANN NICHOLSON

This Kerawang tapestry is typical of indigenous art forms in the Gayo highlands.



"His work shows us clearly that religious concerns are not isolated, 'special' ones set apart from other sectors of life, but intimately involved in and inseparable from all of them."

WILLIAM GRAHAM

"John's book 'Muslims through Discourse' illustrates his special gift of communicating the living and lively interchange among the Muslims he studies, concerning a wide variety of practices, customs and ideas, while setting that interchange in historical and cultural context," said Graham, professor of the history of religion and Islamic studies. "His work shows us clearly that religious concerns are not isolated, 'special' ones set apart from other sectors of life, but intimately involved in and inseparable from all of them."

Bowen's overall interest in religion and ritual, including a course he teaches on the topic, led to his newest book, "Religions in Practice." The book examines specific religious practices and rituals, drawing from a variety of religious traditions. While focusing on the rituals, rules, symbols and laws that shape religious lives in different societies, Bowen explores common elements among religions, as well as the social context and diversity of interpretations within religions.

Touring France

Bowen originally became interested in the social sciences while tackling the issues of the day as a member of his high school's state championship debate team in Minneapolis. After enrolling at Stanford University, he had his first taste of blending into another culture during his sophomore year, studying in France. Bowen joined a network of artists and spent an additional six months touring Europe while playing drums in an admittedly discordant, free jazz band. After receiving a bachelor's degree in 1973, Bowen spent another year studying in France through a Fulbright-Hays Fellowship. He then earned a master's degree in 1977 and a doctorate in 1984, both in anthropology, from the University of Chicago.

Bowen joined the Department of Anthropology here in 1985. He was named chair of the University's Committee on Social Thought and Analysis in 1991 and chair of the Commission on Undergraduate Curriculum in Arts and Sciences in 1997. Over the years, Bowen has valued the numerous

opportunities at the University for both creativity and work across disciplinary boundaries.

The Social Thought and Analysis program, which involves faculty from anthropology, economics, education, history, law, medicine, political science, psychology and social work, strives to give students a comprehensive look at society and culture for the 21st century. Uniting social theory and empirical analysis, the program focuses on social problems arising from distributions of power and resources.

Graduate student Erin Stiles noted Bowen's knack for tackling issues from a variety of perspectives. "One of Professor Bowen's best qualities is his ability to connect ideas from different areas and disciplines in interesting ways," she said. "He is a very creative thinker and this comes through in his teaching style, which is open and fluid."

A gifted professor, Bowen received the Kemper Award for Excellence in Teaching in 1992-93. He currently teaches courses in the history of anthropological theory, religion and ritual, historical anthropology and social theory.

Alumna Miyako Inoue, who earned her Ph.D. in anthropology in 1996 and is now an assistant professor of anthropology at Stanford University, said Bowen inspired her in her chosen career.

"Professor Bowen is a stellar scholar, who combines remarkable skill as a fieldworker with a truly breathtaking grasp on social theory," Inoue said. "Everyday that I work as a professor, I realize more and more how much Professor Bowen and the anthropology program at Washington University prepared me well to be a professional scholar."

Overall, Bowen believes that social anthropology can help to combat stereotypes and demonstrate that cultural differences need not engender conflict. "We need to counter tendencies to reduce other societies to the level of 'primitive' or 'developing' or some such evolutionary notion," he said. "The anthropological challenge is to show just how different their lives indeed are, and also how much we are all really alike."

John R. Bowen, Ph.D.

Education B.A., Stanford University; M.A., Ph.D., University of Chicago

Academic service National Science Foundation, Cultural Anthropology, Dissertation Panel; Editorial Board, Political and Legal Anthropology Review

Family Wife, Vicki Carlson; sons, Jeffrey, 11, and Gregory, 8

Interests Coaching sons' soccer and ice hockey teams; spending time at family home in Colorado Springs